Order No.: DD+DIS069.02E

1 Piece UZZCC MA1

ADC Compact
Type 5145/100/101/140

Path Speed CR MP3010
Type 5145/200/201/240

Installation Instructions for Software
COP_1312

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1 General

The Software COP_1312 is a must modification! A modified stand-by behavior of the galvanometer extends its life time up to 200 %.

Fast Preview (Precheck) function has to be disabled. Refer to FSB No. 49 (DD+DIS266.01E) describing the procedure and the problems.

1.1 Hardware Requirements

VME – Rack:

- 33 MHz Gemini Board
- EEPROM Mon 4.26
- 32 MB MEMORY Board
- BER – Board with Ethernet
- SCB, Scan-Ctrl-Board, Revision 0.
- SAB, Scan-Acquisition-Board, Revision 0.
- Adapter Board, Revision 0.
- Floppy (no SCSI)
- 1.2 GByte SCSI hard disk
- only 'new' stepper motor boards GS-IOB-SIN-STEP (F8.9499.8100.0) are supported

1.2 Software Requirements

Recommended software configuration (required for Mammo Cassettes):

Configuration	Preview and ID-Station	Processing-Device
ADC-Compact Connected to **VIPS** Connected to **Preview & ID-Stations**	> PRID1.2.07	≥ VIPS1.0.0.9

1.3 Order Number:

CM+9.5145.1050.7

1.4 Scope of Delivery

- COP_1312
  4 floppy disks, (1 x “HD formatter' floppy” (boot floppy) , 3 x application program floppies)
- 1 floppy Language files LNG 1.005 for PRID ≥ 1.1.05
- 1 empty floppy disk
- 1 upgrade instruction (DD+DIS068.02E)

Due to wrong usage, from now on the boot floppy is named "HD formatter floppy".

2 Installation

Do not use the HD formatter (boot floppy)! The machine specific data would be erased and the info counters would be corrupted.

2.1 Upgrade from lower versions and COP_1308/ COPA1308 to COP_1312

- Make a new backup of the machine specific data.
- Select

```
<Service Menu>
                <Install from floppy>
                                        <Software>
```

- Follow the online instructions.
- Reboot the device
- Refresh the backup

2.2 Additionally for upgrade from COP_1215/ COPA1215 to COP_1312

- CPF must be parsed (Service Menu: Configure, Local Network ID) again after the SW upgrade.
  Due to additional functionality it is necessary to parse the CPF again in order to give the necessary information about the current configuration to the new components.

2.3 Exchange of the Hard Disk

Procedure to install COP_1312 on a virgin Hard Disk

- Take the boot floppy of COP_1312 and insert it into the disk drive of ADC-Compact
- Disconnect ADC-Compact from the network (since a default IP-Address & hostname is configured).
- Press the Reset button on ADC-Compact
- Wait until you get the final message on a terminal connected to the service RS232 port or wait until control LED of floppy disk drive is off.

- Insert the first floppy of the COP_1312 Release Disks into the disk drive of ADC-Compact
- Press the Reset button of ADC-Compact
- Wait until you get the final message on a terminal connected to the service RS232 port or wait until control LED of floppy disk drive is off.

- Proceed in the same way with the second and the third Release Disk.

- In case of an already installed device , restore the device specific parameters by the following guidelines of the Service Menu Topic *Install from floppy, Machine specific data.* **Without restoring the device specific parameters, an operation is not possible.**

Do not forget to restore the test images from CDROM CM+9.5145.1055.0. after the restore procedure.

- In case of a brand new configuration parse the CPF-File using the guidelines of the Service Menu Topic *Install from floppy, CPF- File,* displayed on the user interface.
- Reconnect ADC-Compact to the network.

3 What is New in COP_1312

- Fast unclamping of small and medium sized cassettes.
- Reclamping of cassettes in input cassette unit before rotation, if cassette detection switch is free.
- New Service Menu Entry for Replacement of Complete Scannerto install all necessary parameters for a complete scanner:
  Service -> Install from Floppy -> 11 Complete Scanner.
- Higher Tasks Priority for Transport Prescan Tasks.
  The task priorities for TPR tasks is set to 15, a higher priority than the network driver has, to solve problems in IP-Handling.
- Modified Stand-By Behavior of the Galvanometer for a Longer Lifetime
  The galvanometer is now set to amplitude 0 immediately after scan to prolong its lifetime. The power for the galvanometer control unit is switched off after one hour stand-by, as before.
- Module Working Time in Info Counters:
  The working time of the laser diode and the photomultiplier as well as the working cycles of the galvanometer are stored in the info counters now. The date of the first entry is stored as well.
  At replacement of one of these parts, the referring counter is reset and its old value written to the hardware replacement history.
- Improved Algorithm for Compensation of I/V Converter Signal
  The compensation of the I/V converter offset was improved. Now there is one additional iteration step and the previously calculated value is taken into account (same as ADCC+). The limit for generating the warning 20C46 was increased from ±10mV to ±20mV.
- Added Test Function for Error 203D7
  Added item “ Test HT DAC+ADC on SCB” to SCNTST “Scanner test functions” menu. This allows to better test scan control boards in production for problems with the high tension setting, which sporadically produce the error 203D7.
- Solved bug occurred during startup: A complete scan of an IP during startup, got wrong IP parameters.

4 Known Bugs in COP_1312

- Under very special circumstances the info counter contents can be lost when the device is switched off during operation.
- In case of reinstalling an older version after COP_1312 was already running, the files ICN.DAT and ICN_1001.DAT either have to be erased manually (loss of all info counter entries) or the previous machine specific data have to be restored.
- Erase key during “laser not ready” not possible. During the warm-up of the laser it is not possible to erase cassettes.

5 Important Remarks

To avoid any formatting, the ‚format‘ program is delivered no more. 'format' would cause a complete loss of the test images.